

RECEIVED
CENTRAL FAX CENTER
JUN 04 2009

0004/018

Application No.: 10/526,170

Docket No.: JCLA12206

AMENDMENTIn The Claims:

Please amend the claims as follows:

Claims 1. (currently amended) A dynamic bearing device comprising:

a housing;

a bearing sleeve fixed on an inner periphery of said housing;

an axial member having an axial portion and a flange portion;

a thrust member attached to one end of said housing;

a radial bearing portion provided between said bearing sleeve and said axial portion to support said axial portion in a radial direction in a non-contact manner by an action of dynamic pressure of lubricating oil generated in a radial bearing gap; and

a thrust bearing portion provided between said bearing sleeve and said flange portion, and between said thrust member and said flange portion, to support said flange portion in a thrust direction in a non-contact manner by an action of dynamic pressure of said lubricating oil generated in a thrust bearing gap,

wherein said housing is made of resin and has a cylindrical side portion and a ring-shaped seal portion integrally extending from [[the]] an upper end of said side portion in an inner radial direction, and

wherein a seal space is defined between an inner peripheral surface of said seal portion and an outer periphery of said axial portion, and an internal space of said housing sealed with

Application No.: 10/526,170

Docket No.: JCLA12206

said seal portion is filled with the lubricating oil and ~~[[the]]~~ an oil level of the lubricating oil is maintained within said seal space.

Claim 2. (currently amended) A dynamic bearing device comprising:

a housing;

a bearing sleeve fixed on an inner periphery of said housing;

an axial member having an axial portion and a flange portion;

a thrust member attached to one end of said housing;

a radial bearing portion provided between said bearing sleeve and said axial portion to support said axial portion in a radial direction in a non-contact manner by an action of dynamic pressure of lubricating oil generated in a radial bearing gap; and

a thrust bearing portion provided between said bearing sleeve and said flange portion, and between said thrust member and said flange portion, to support said flange portion in a thrust direction in a non-contact manner by an action of dynamic pressure of said lubricating oil generated in a thrust bearing gap,

wherein said housing is made of resin and has a cylindrical side portion and a ring-shaped seal portion integrally extending from ~~[[the]]~~ an upper end of said side portion in an inner radial direction, and

wherein said thrust member is fixed on one end of said housing by welding, and

wherein a seal space is defined between an inner peripheral surface of said seal portion and an outer periphery of said axial portion, and an internal space of said housing sealed with

Application No.: 10/526,170

Docket No.: JCLA12206

said seal portion is filled with the lubricating oil and [[the]] an oil level of the lubricating oil is maintained within said seal space.

Claim 3. (currently amended) A dynamic bearing device comprising:

a housing;

a bearing sleeve fixed on an inner periphery of said housing;

an axial member having an axial portion and a flange portion;

a thrust member attached to one end of said housing;

a radial bearing portion provided between said bearing sleeve and said axial portion to support said axial portion in a radial direction in a non-contact manner by an action of dynamic pressure of lubricating oil generated in a radial bearing gap; and

a thrust bearing portion provided between said bearing sleeve and said flange portion, and between said thrust member and said flange portion, to support said flange portion in a thrust direction in a non-contact manner by an action of dynamic pressure of said lubricating oil generated in a thrust bearing gap;

wherein said housing is made of resin, and said thrust member is attached to one end of said housing, and a seal member is fixed on said end by welding.

Claim 4. (previously presented) A dynamic bearing device comprising:

a housing;

a bearing sleeve made of sintered metal, said bearing sleeve being fixed on an inner periphery of said housing;

an axial member having an axial portion and a flange portion;

Application No.: 10/526,170

Docket No.: JCLA12206

a thrust member attached to one end of said housing;

a radial bearing portion provided between said bearing sleeve and said axial portion to support said axial portion in a radial direction in a non-contact manner by an action of dynamic pressure of lubricating oil generated in a radial bearing gap; and

a thrust bearing portion provided between said bearing sleeve and said flange portion, and between said thrust member and said flange portion, to support said flange portion in a thrust direction in a non-contact manner by an action of dynamic pressure of said lubricating oil generated in a thrust bearing gap;

wherein said housing is made of resin, and said bearing sleeve is made of sintered metal,
and

wherein said bearing sleeve is fixed on said inner periphery of said housing by welding.

Claim 5. (canceled)

Claim 6. (currently amended) A dynamic bearing device comprising:

a housing;

a bearing sleeve made of sintered metal, said bearing sleeve being fixed on the inner periphery of said housing;

an axial member having an axial portion and a flange portion;

a thrust member attached to one end of said housing;

a radial bearing portion provided between said bearing sleeve and said axial portion to support said axial portion in a radial direction in a non-contact manner by an action of dynamic pressure of lubricating oil generated in a radial bearing gap; and

Application No.: 10/526,170

Docket No.: JCLA12206

a thrust bearing portion provided between said bearing sleeve and said flange portion, and between said thrust member and said flange portion, to support said flange portion in a thrust direction in a non-contact manner by an action of dynamic pressure of said lubricating oil generated in a thrust bearing gap;

wherein said housing is made of the same type of metal as said bearing sleeve, and said bearing sleeve is fixed on said inner periphery of said housing by welding to configure a sintered metal to metal connection between said bearing sleeve and inner periphery of said housing.

Claim 7. (previously presented) The dynamic bearing device according to claims 2 to 5, wherein said welding is ultrasonic welding.

Claim 8. (new) The dynamic bearing device according to claim 1, wherein said outer periphery of said axial portion is formed with a tapered surface opposed to said inner peripheral surface of said seal portion.

Claim 9. (new) The dynamic bearing device according to claim 2, wherein a diameter of said seal space gradually and downwardly decreases.